

# See how much you can save with power factor correction!

## Many utility companies charge a penalty for poor power factor.

Below is an actual utility bill for a customer, showing the penalty charges for just one month. Installing a power quality solution from Schneider Electric is an easy, cost-effective way to start saving on utility bills today.



Amount \$48,730,63 Date 08/24/2015 Account No. 123-45-678

#### **CUSTOMER INFORMATION**

Acct Name	ABC Company
Cust Name	ABC Company
Svc Addr	1234 Place
Bill Date	07/13/2015 00:00 - 08/12/2015 23:59

### **ELECTRICITY YOU USED**

Total kWh	398,321
Power Factor	73.70 %
Load Factor	78.60 %
Maximum Demand	681
16 Month Peak Demand	681.0
On-peak kWh Usage	84,044
Shld-peak kWh Usage	116,719
Off-peak kWh Usage	197,558
On-peak kW	672
Shld-peak kW	670
Off-peak kW	681

#### COMPARING YOUR MONTHLY USAGE

Desc	Max kW Date	Max kW Time	kWh Percent
On-peak	07/17/2015	14:00:00	21.1
Shld-peak	07/17/2015	21:00:00	29.3
Off-peak	07/20/2015	08:30:00	49.6

#### ACCOUNT INFORMATION

	Previous Balance	\$0.00	
	Monthly Service Charge	\$523.71	
	Facilities Charge	\$1,818.27	
	Demand (kW) Charge	\$2,506.56	
	On-Peak Energy (kWh) Charge	\$7,261.37	
	Shoulder-Peak Energy (kWh) Charge	\$7,610.09	
	Off-Peak Energy (kWh) Charge	\$8,554.26	
	Delivery (kWh) Charge	\$10,914.66	
<	Power Factor Penalty Amount	\$5,637.58	
	Aggregation Discount	\$119.50	CR
	City Tax	\$1,207.09	
	County Tax	\$312.95	
	State Tax	\$2,503.59	
	This Month's Charges	\$48,730.63	_
	TOTAL AMOUNT DUE	\$48,730.63	_

Payment	\$48,730.63
Date	08/24/2015

#### NOTES

- The Energy Charge includes a Fuel and Purchased Power Adjustment Factor of \$0.0294 per kWh and an Environmental Programs Cost Adjustment Factor of \$0.0055 per kWh.
- Demand (kW) is the rate of electricity being used by a customer at a given time and is measured by recording the average load over a 30-minute period. The highest registered demand value during the On-Peak period is the billed demand.



Potential savings from installing a power factor correction solution from Schneider Electric:

**Power Factor** Penalty Amount  $$5,637.58 \times 12 =$ 

\$67,650.96/year

Plus, with improved energy efficiency, reliability, and capacity the savings will be even more.

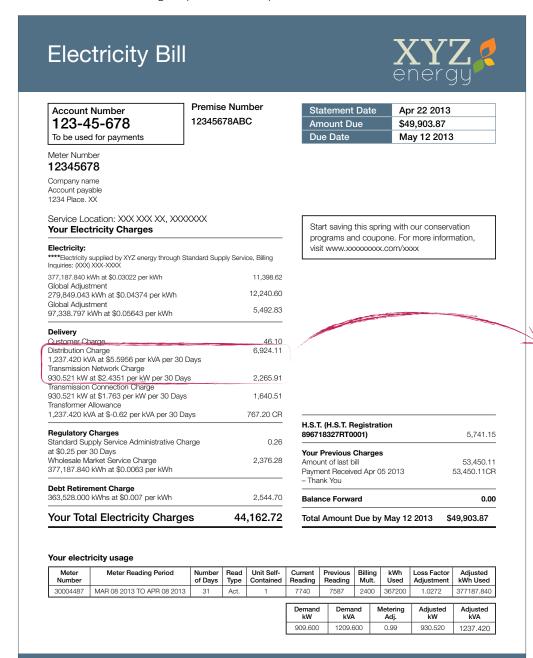
Start saving today!

123-45-678 Account No. Billing Date 08/14/2015

Total Amount \$48,730,63

## Not all power bills make it so easy to spot power factor penalties.

Your utility bill may not show a power factor penalty, but that doesn't mean you aren't still paying extra. Below is a utility bill in which a simple calculation shows the extra, hidden charges for poor power factor. While the distribution charges are measured in kVA, the transmission network charge is per kW, or true power. The difference between these causes additional charges.





Hidden penalty charges:
Distribution charge 1,237kVA/
Transmission Network Charge 930kW
= 75% power factor

Power factor penalties: kVA-kW = 306.899 Rate charged = \$5.5956

Charges: \$1,717.28

Implementing power factor correction solutions to boost the pf would eliminate the difference between the kVA and kW, bringing potential savings to \$1717/month.

 $1,717 \times 12 = 20,604/year$ 

Email powersolutions@schneider-electric.com for a utility bill audit and to learn what you could save year-over-year with Schneider Electric.

Schneider Electric USA

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